

IN THE CLAIMS:

Kindly amend claims 8 and 11 as follows. A detailed listing of all claims is as follows.

Claims 1-7 (Canceled)

Claim 8 (Currently Amended): A flat luminescent lamp comprising:

first and second substrates each having a plurality of grooves therein;

first and second electrodes in the grooves, each electrode having a width narrower than the grooves, wherein a gap is between each of the electrodes and a respective one of the grooves;

phosphor layers on the first and second substrates including the first and second electrodes; and

a frame for sealing the first and second substrates so that the substrates face ~~into~~ each other.

Claim 9 (Original): The flat luminescent lamp of claim 8, further comprising first and second dielectric layers on the first and second electrodes, respectively.

Claim 10 (Original): The flat luminescent lamp of claim 9, further comprising a reflecting material layer on the first dielectric layer.

Claim 11 (Currently Amended): A flat luminescent lamp comprising:

a first substrate having a plurality of grooves therein;

a second substrate having a substantially flat surface;

first and second electrodes in the grooves, each electrode having a width narrower than the grooves, wherein a gap is between each of the electrodes and a respective one of the grooves;

a first phosphor layer on the first substrate including the first and second electrodes;

a second phosphor layer on the second substrate; and

a frame for sealing the first and second substrates so that the substrates face ~~into~~ each other.

Claim 12 (Original): The flat luminescent lamp of claim 11, further comprising a dielectric layer on the first substrate including the first and second electrodes.

Claim 13 (Original): The flat luminescent lamp of claim 12, further comprising a reflecting material layer on the dielectric layer.

Claim 14 (Withdrawn): A method for manufacturing a flat luminescent lamp, having first and second substrates, the method comprising the steps of:

forming a plurality of grooves in the first and second substrates;

forming an electrode material layer on the first and second substrates including the grooves;

flatting a surface of the electrode material layer;

forming a phosphor layer on the electrode material layer; and

sealing the first and second substrates to face into each other.

Claim 15 (Withdrawn): The method of claim 14, wherein the step of flatting the

electrode material layer is performed by a chemical mechanical polishing (CMP) process.

Claim 16 (Withdrawn): The method of claim 14, further comprising the step of forming a dielectric layer after the step of flatting a surface of the electrode material layer.

Claim 17 (Withdrawn): The method of claim 16, further comprising the step of forming a reflecting material layer on the dielectric layer.

Claim 18 (Withdrawn): The method of claim 14, further comprising the step of injecting a phosphor gas between the first and second substrates through a gas injection hole before the step of sealing the first and second substrates.

Claim 19 (Withdrawn): A method for manufacturing a flat luminescent lamp, comprising the steps of:

forming a plurality of grooves in first and second substrates;

forming an electrode material layer on the first and second substrates including the grooves;

forming first and second electrodes in the grooves by selectively removing the electrode material layer, the first and second electrodes having a width narrower than the grooves;

forming phosphor layers on the first and second substrates including the first and second electrodes; and

sealing the first and second substrates to face into each other.

Claim 20 (Withdrawn): The method of claim 19, wherein the step of forming the first and second electrodes includes the steps of:

depositing a photoresist material on the electrode material layer;
patterning the photoresist material using exposure and developing processes; and
etching the electrode material layer using the patterned photoresist material as a mask.

Claim 21 (Withdrawn): The method of claim 19, wherein the step of forming first and second electrodes is performed by a chemical mechanical polishing process.

Claim 22 (Withdrawn): The method of claim 19, further comprising the step of forming a dielectric layer after the step of forming first and second electrodes.

Claim 23 (Withdrawn): The method of claim 22, further comprising the step of forming a reflecting material layer on the dielectric layer.

Claim 24 (Withdrawn): The method of claim 19, further comprising the step of injecting a phosphor gas between the first and second substrates through a gas injection hole before the step of sealing the first and second substrates.